Product Requirements Document (PRD)

Project: Events & Experiences Discovery Website

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1. Project Overview

The objective of this project is to build a **web platform where users can discover, explore, and book events, movies, dining experiences, and activities in their city**.

This project is intended as a **full-stack learning exercise**. Interns are expected to design the architecture, database, and implementation approach themselves while fulfilling the functional requirements defined here.

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2. Goals

The system should allow:

- Discovering events and activities
- Viewing detailed information
- Booking tickets or reservations
- Managing bookings
- Admin management of listings

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3. User Roles

3.1 End User

A registered user should be able to:

- Register and login
- Browse events, movies, and restaurants
- View details of listings
- Book tickets or reserve slots
- View booking history

3.2 Admin

An admin should be able to:

- Create listings
- Update listings
- Remove listings
- View bookings

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4. Core Features to Implement

4.1 Authentication

The system must provide:

- User registration
- Login and logout
- Session or token-based authentication
- Validation of user inputs
- Basic error handling

4.2 Home Page

The home page should display:

- Featured events

- Upcoming events
- Movies currently available
- Popular restaurants or activities
- Category-based navigation

The page should be designed to allow quick discovery.

4.3 Events Module

Users should be able to:

- View a list of events
- Open an event to view details
- See date, time, venue, description, and pricing
- Book tickets

The system should support:

- Pagination or lazy loading
- Sorting (by date or popularity)
- Filtering (by category or date)

4.4 Event Details Page

Each event detail page should display:

- Title
- Description
- Date and time
- Venue/location
- Price
- Available slots or seats
- Booking button

4.5 Booking System

The booking flow should allow:

- Selecting number of tickets or slots
- Confirming booking
- Showing booking confirmation

Booking history should display:

- Upcoming bookings
- Past bookings

A real payment gateway is **not required**; a mock payment flow is sufficient.

4.6 Movies Module

Users should be able to:

- View movies
- View show timings
- View theatre or location
- Book tickets

A simplified model is acceptable; seat-level selection is optional.

4.7 Restaurants / Dining Module

Users should be able to:

- Browse restaurants
- View details such as cuisine and location
- Reserve a table or slot

Reservation confirmation should be stored and visible in booking history.

4.8 Activities / Experiences Module (Optional but Recommended)

This module can include:

- Workshops
- Gaming zones
- Attractions

Users should be able to:

- View details
- Book slots

4.9 Search Functionality

Search should work across:

- Events
- Movies
- Restaurants

Search should allow partial matches and be reasonably fast.

4.10 Filters and Sorting

Filtering should support:

- Category
- Date
- Price range (optional)
- Location (basic level)

Sorting should support:

- Newest
- Price
- Date

4.11 Booking History

Users should be able to:

- View all bookings
- Distinguish between past and upcoming bookings
- View booking details

4.12 Admin Panel

Admin functionality should include:

- Add new listings
- Edit listings
- Delete listings
- View booking records

The admin panel does not need advanced UI but must be functional.

5. Pages Required

Minimum pages:

1. Login page
2. Registration page
3. Home page
4. Events listing page
5. Event details page
6. Movies page
7. Restaurants page
8. Booking history page
9. Admin dashboard

6. Technology Stack

Frontend

- React JS
- Context
- React Query
- Axios
- Shadcn

Backend

- Fast API
- PostgreSQL
- JWT

7. UI Requirements

The UI should:

- Be clean and responsive
- Work on laptop screen resolutions
- Have consistent navigation
- Clearly show actions like booking or reserving

Design creativity is encouraged.

8. Acceptance Criteria

The project is considered complete when:

- Users can register and login
- Listings can be browsed
- Users can book items
- Booking history is visible
- Admin can manage listings
- The application runs without major errors

9. Evaluation Criteria

Interns will be evaluated on:

- Documentation of the system design & implementation design
- Project Presentation
- Features implemented
- Code Understanding
- Code quality

10. Bonus Features (Optional)

Interns may implement:

- Image uploads

- Notifications
- Ratings and reviews
- Recommendation section
- Deployment

These are optional and will be considered extra credit.